

## GOFOR DIGGER.

### 1. TYPE OF MACHINE.

Excavator, trench; vehicle mounted, bucket line.

### 2. GROUP CLASSIFICATION.

Classification H.T.B.



FIG. 1. GOFOR DIGGER.

### 3. MAKE AND MODEL.

Gofor Digger mounted on Willys Model CJ-5 Jeep.

### 4. DIGGING RANGE.

Width of Trench	-	6"	8"	10"	12".
Depth of Trench	-	3'	3'	3'	3'.

Minimum Distance from Centre Line of Trench to Fence Line - 18".

5. DISPOSAL OF SPOIL.

Endless belt conveyor, with direction of travel reversible to deliver spoil to either side of machine as conditions dictate. Inner edge of spoil heap about 1 foot from side of trench.

6. MOVEMENT BETWEEN JOBS.

The Willys Jeep/Gofor unit may be driven safely from site to site at speeds up to 30 m.p.h..

7. DIMENSIONS.

	<u>Operating</u>	<u>Travelling</u>
Overall height	6' 3"	10'
Overall length	17' 3"	16' 9"
Overall width	6' 4"	6' 4"
Weight (approx.)	5,800 lbs.	

8. METHOD OF DIGGING.

Bucket line on inclined boom. Chisel type cutters interspersed with scrapers attached to holders on endless chain and drag spoil up inclined face of trench. Bucket line speed can be varied and is independent of crowd speed. The digging boom can be moved hydraulically 22" to the right hand side of the central position for trenching closer to obstructions.

9. CONTROL OF DIGGING SPEED.

Digging (crowd) speed is infinitely variable from 0-13 ft./min. through hydraulic motor and gearbox. Reverse digging speed is also provided.

10. TRAVELLING SPEEDS.

The Willys Jeep can be driven as a normal vehicle up to a speed of 30 m.p.h. when on the road.

11. METHOD OF RAISING DIGGING BOOM.

Hydraulic ram.

12. OPERATOR CONTROL.

All controls for the excavator are located at the near-side rear corner of the Jeep. The operator stands on the ground while operating.

13. ENGINE.

Power to operate the excavator is supplied by the Jeep engine which is a water cooled petrol engine.

14. OTHER FITTINGS.

A 6' backfill blade is fitted to the front of the Jeep.

END.